

AMENDMENTS TO THE CLAIMS10/526720
PT01 Rec'd PCT/PT 04 MAR 2005

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (Currently Amended) A system for protection link fault supervision between two nodes (1, 11) in a transmission network, the nodes (1, 11) being connected by first (6) and second (8) transmission lines carrying identical data traffic between the nodes (1, 11), each node (1, 11) including a first, ~~active or~~ working, line termination board (2) terminating said first transmission line (6), a second, ~~passive or~~ standby, line termination board (3) terminating said second transmission line (8), and a node core (4) including a link supervision block (10), said line termination boards (2, 3) being adapted to report faults to the link supervision block (10), said node core (4) being adapted to switch traffic between the line termination boards (2, 3) in case of a fault, the system comprising:

~~characterized in that~~

~~each line termination board (2, 3) includes a persistency timer~~ included on each line termination board, a fault being detected in one of the line termination boards, when a fault is detected in one of the boards (2, 3) the line termination board having the fault being ~~[[is]]~~ adapted to start its ~~the~~ included persistency timer in order to supervise the persistence of the detected fault, and if the fault has not disappeared during a predetermined persistency timer period, the line termination board is adapted to report the fault to the link supervision block (10),

the link supervision block (10) for storing ~~is adapted to store~~ received fault causes and ~~correlate~~ correlating the latest received fault causes from each line termination board, and (2, 3) ~~with the latest received fault cause from the other line termination board (2, 3),~~

~~the system further including~~ a correlation result persistency timer adapted to be started by the link supervision block (10) ~~in order to supervise~~ for supervising the persistence of a correlation result between the latest received fault causes from each

line termination board, wherein if the correlation result has not disappeared during a predetermined correlation result persistency timer period, the link supervision block (40) ~~[[is]]~~ being adapted to request the node core to switch traffic between the line termination boards (2,3).

2. (Currently Amended) The system ~~System~~ as claimed in claim 1, ~~characteriz~~
~~e-d-i-n~~ that said transmission network is a Synchronous Digital Hierarchical based network.

3-5. (Canceled)